

7" Portable Touch Screen with Camera Setup Guide



Supported Models

- C4-TSMC7-EN-BL - 7" Portable Touch Screen with Camera, Black
- C4-TSMC7-INT - 7" Portable Touch Screen with Camera, International Version

Box Contents

Carefully unpack the Control4® 7" Portable Touch Screen with Camera and ensure the following items are included in the box.



CAUTION! Do not apply excessive pressure to the Touch Screen display during handling. Doing so can crack the screen and damage the Touch Screen.

- Control4 7" Portable Touch Screen with Camera
- Control4 7" Portable Touch Screen with Camera Dock
- DC Power Adapter (only use the power supply provided)
- (Optional) Two (2) screws for securing the dock to the Touch Screen
- Warranty Card

Requirements

- Phillips head screwdriver

- Two (2) screws (included) to secure the Touch Screen to the dock

Accessories

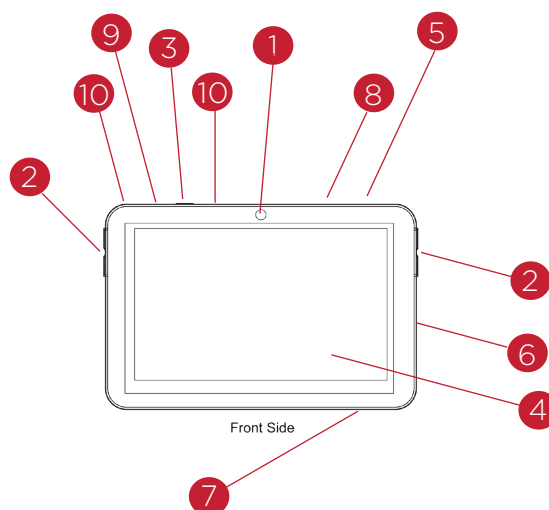
- Control4 Power over Ethernet Injector (AC-POE1-B), sold separately
- International Power Supply (C4-TSIPS, for UK, EU, and AU)

Specifications

Screen	7" 16:9 WXGA Color LCD Module Resolution: 800 x 480 Brightness: 400 nits (without Touch Screen)
Wireless	-Built In IEEE802.11 b/g/n Wireless LAN -Integral Antenna (b/g/n supported) -Authentication: WEP, WPA, WPA2
Dimensions (W x H x D)	7.5" (190.5 mm) x 5" (127 mm) x .075" (19.05 mm) (without charging dock)
Weight	1.75 lbs. (.793 kg)
Network	-WiFi (802.11 b/g/n) wireless access point (WAP) already configured to communicate with a Control4 Controller (e.g., HC-300). -Wireless-N is recommended for video. Note: Intercom usage. 802.11b is not recommended or supported for video intercom.

Front and Rear Panel Descriptions

Figure 1. Front View



- 1 Camera.** Used for video Intercom with another compatible Control4 device in another room.
- 2 Programmable Buttons (4).** Used to program

7" Portable Touch Screen with Camera Setup Guide

various home automation activities in Composer programming.

- 3 Power Button.** Used to power the Touch Screen on or off. See "Touch Screen Modes."
- 4 Touch Screen.** The front face of the Touch Screen.
- 5 Reset/Restore Pinhole.** Used to reset or restore the factory defaults.
- 6 Speaker.** Used for Intercom purposes.
- 7 Headphone Jack (3.5 mm).** Used to connect headphones for intercom purposes.
- 8 Camera LED Indicator.** Indicates if the camera is on. Green indicates the camera is on.
- 9 Power LED Indicator.** Indicates if the power is on.
- 10 Microphones.** Used to speak into the Touch Screen when Intercom is used.

Power and Network Connections

Before you begin to install this Touch Screen, you'll need to make a few decisions:

- 1** Will your customers be using the Touch Screen as a portable device (dock not attached) or with the dock attached? See "Portable or Tabletop Installation Options" and "Power Management Best Practices" for details.
- 2** Will the DC Power Adapter (included) or Power over Ethernet (sold separately) be used? See "Portable or Tabletop Installation Options" for details.

LED Indicators

The LEDs on the Touch Screen indicate the status of the power supply, battery charge, booting, and so on, as described in the next table.

LED Color	Touch Screen Status
Off	- Not charging - Screensaver mode, blank - Screensaver mode, charging
Red	- Off, charging
Green	- On, not charging - Suspend/asleep, not charging
Green (blinking)	- Booting, not charging
Green (fast blinks)	- Restoring, not charging
Orange	- On, charging - Suspend/asleep, charging
Orange (blinking)	- Booting while charging
Orange (fast blinks)	- Restoring while charging



NOTES: (1) If the device is OFF, press **Power**.

If the device is asleep, press any button or tap the screen. (2) The device must be connected to a power supply for at least six (6) hours so the battery can fully charge. (3) If the battery power is critically low, you can still turn on the device as long as the dock is plugged in to the power adapter or PoE.

Figure 2. Top View

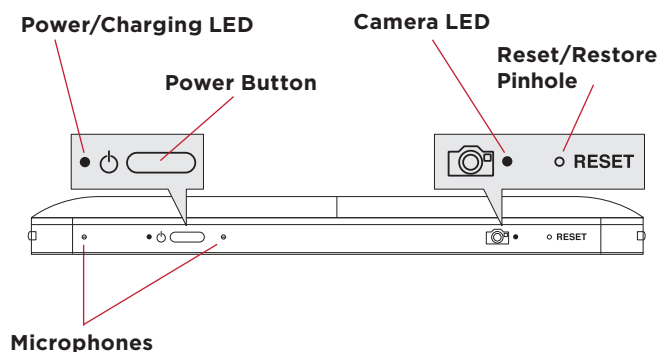


Figure 3. Bottom View

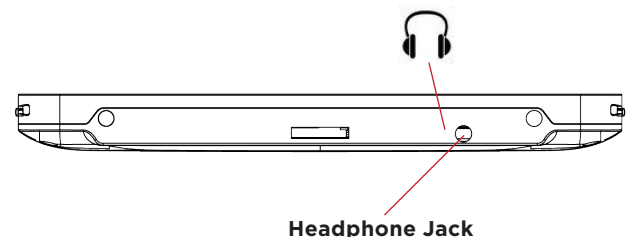


Figure 4. Right View

**Programmable Buttons
(on right and left sides)**

Speaker



Figure 5. Back View with Dock and Connectors



Portable or Tabletop Installation Options

You can use the 7" Portable Touch Screen with Camera as a portable device that you carry with you as you move around the house, or you can screw the Touch Screen into the dock.

- If you intend to use the device **ONLY** as a tabletop, you can use *either* an Ethernet or a WiFi connection.
- If you intend to use the Touch Screen as a portable device and remove the Touch Screen from its dock, you *must* use a WiFi connection.

To use the Touch Screen as a portable device, follow the instructions next.

To use the Touch Screen as a tabletop device (using the two (2) screws provided) follow the instructions in "Using the Touch Screen as a Tabletop Device."

Using the Touch Screen as a Portable Device

Use the 7" Portable Touch Screen dock as the docking station for the Touch Screen (see Figure 6).



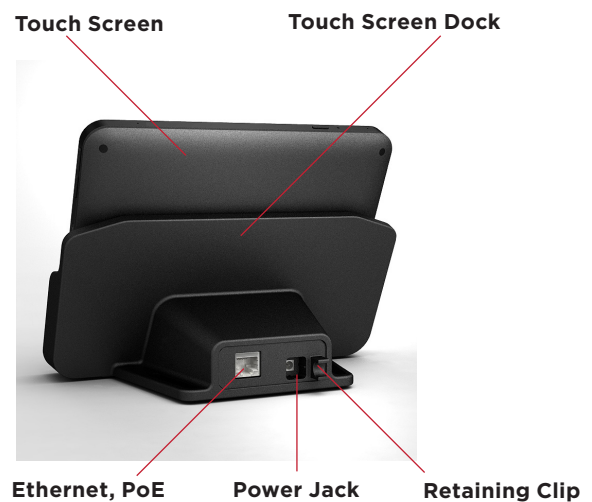
NOTE: You must set up for WiFi if the Touch Screen will be used as a portable device. See "Configure the Network Settings."

- 1 Place the 7" Portable Touch Screen dock on a flat surface.
- 2 **Power.** This device can be powered using either an Ethernet connector or a PoE connector.
 - a Insert the power cable into the power jack slot on the back of the device (see Figure 6).
 - b Plug the power cord into a wall outlet.
 - c To use Ethernet, plug the RJ-45 connector into the PoE connector and then into the Ethernet jack on the back of the Touch Screen dock (see Figure 6).



NOTE: If you use Ethernet and undock the Touch Screen, you will lose connectivity.

Figure 6. Back View with Power Connections




NOTE: The power cord angles to the right and is held by the retaining clip. When you insert the power cord, it also snaps into the retaining clip.

- 3 Insert the Touch Screen into its dock.
- 4 Wake up the Touch Screen by either touching the screen or by pressing any button.

Using the Touch Screen as a Tabletop Device

- 1 Place the 7" Portable Touch Screen dock on a flat surface.
- 2 **Power.** The device can be powered using either an Ethernet connector or a PoE connector.
 - a Insert the power cable into the power jack slot on the back of the device (see Figure 6).
 - b Plug the power cord into a wall outlet.
 - c To use Ethernet, plug the RJ-45 connector into the PoE connector and then into the Ethernet jack on the back of the Touch Screen dock (see Figure 6).
- 3 You can attach the Touch Screen to the dock using the screws provided to prevent the Touch Screen from becoming disconnected and nonfunctional every time it is removed from the dock.

 **WARNING:** Power off the Touch Screen before inserting the screws.

To attach the Touch Screen to the dock:

- 1 Remove the two (2) rubber protectors from the screw holes on the bottom of the Touch Screen's dock.
- 2 Insert the Touch Screen into its dock.
- 3 Turn the Touch Screen and dock upside down and insert the two (2) screws (included).
- 4 Screw the dock to the Touch Screen (Figure 7).

Figure 7. Bottom View: Dock and Screw Holes



- 5 Wake up the Touch Screen by either touching the screen or by pressing any button.
- 6 (Optional) You can permanently mount the Touch Screen and dock to a tabletop by screwing the base onto a flat surface (screws not included). See Figure 7.

Touch Screen Modes

The Touch Screen uses the following modes:

- **Off.** The screen, the AC Power indicator, and the battery indicator are all dark (the Touch Screen has no power). To power up the device, ensure that the battery is charged, or that the dock's power cord is connected to the dock and the Touch Screen is properly seated in the dock.
- **Suspend.** The screen is dark, but the Power indicator is lit. To wake up the device, press any button or tap the Touch Screen. See "Power Management Best Practices" for details.
- **Screensaver.** The screen saver is running. To wake up the device, tap the screen.
- **Wake.** The screen displays anything other than a screen saver. To force the device into Sleep mode, press and release the **Power** button.

Configure the Network Settings

You must configure the network settings on this Touch Screen so it can communicate with the other devices in the Control4 system.

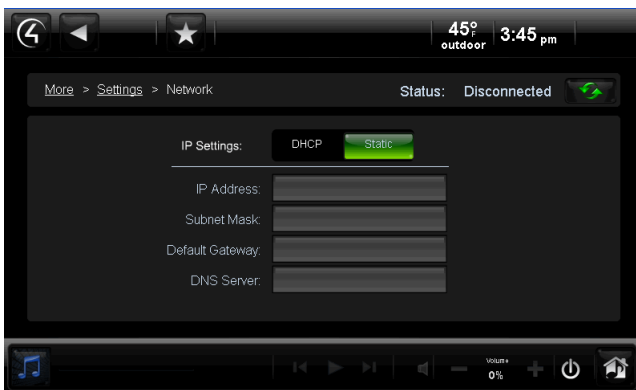
To configure the network settings for this device:

- 1 If using a wireless network, ensure that the WiFi WAP is on the same network as the Control4 Controller in the system.
- 2 Gather the following wireless network information from your WAP:
 - SSID (Service Set Identifier).
 - WEP/WPA/WPA2 security key, if enabled.
 - IP Addressing Requirements: The default is DHCP (with dynamic addresses). If you need to use a static IP address, you must provide a network IP address for this device.
- 3 On the Touch Screen, tap **More > Settings > Network**. If you want to use wireless, under Wireless, select **Enable**; otherwise, skip to Step 4.

Follow these steps to configure a wireless setup:

- a If you don't see the network you want, select **Other**.
 - b At Network Name, select to add the SSID or name of the wireless network when the keyboard appears.
 - c At Security, select **None**, **WEP**, or **WPA**.
 - d At Password, type the **password** given to you by the person who set up the customer's wireless network (Control4 Dealer).
 - e Select **Connect**. Notice that the IP settings change.
- 4 The IP address is set to **DHCP** by default. If you need to set a static IP address, complete the following steps; otherwise, you are finished with these steps.
- a On the Network page, tap **Static** (see Figure 8).

Figure 8. Static IP Address



- b Select each box one at a time, and type the address: IP Address, Subnet Mask, Default Gateway, Preferred DNS, and Alternate DNS.
- c When the keyboard appears, type the address, and then tap **Done**.
- d Tap **OK** to return to the Network page.

You can now connect to a Control4 Director running on a Control4 device on the network.

Connect to Director from the Touch Screen

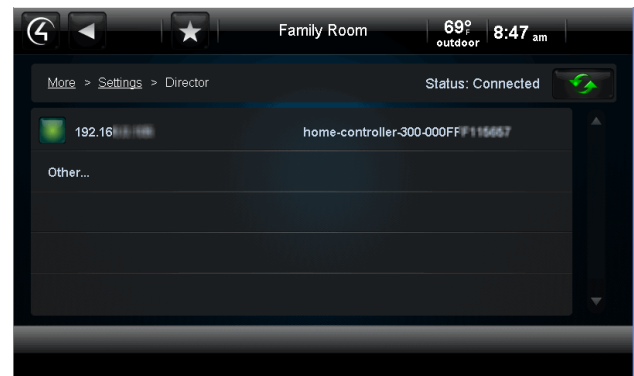


NOTES: (1) The Touch Screen's controls are auto-populated by a project on the Controller to which it connects. If the subsystem buttons are not lit, and no default room displays on the Touch Screen, you are not connected to

a Controller. (2) Ensure that the devices are added to Composer and identified in the project. See "Configure in Composer" for details.

- 1 On the Home page, tap **More > Settings**.
- 2 Tap **Director**.
- 3 If the Director page does not display, the Director view has probably been disabled; you must provide a password to enable it.
 - If you need the password, contact your Control4 Dealer if you are the Installer.
 - If you have the password, tap **Config > Disable View**, enter the password, and then tap **Director** to deselect it. Tap the **Director** button again, and view the Director page.
- 4 In the Director list of IP addresses, tap on your Controller's IP address. The screen displays your current connections (Figure 9).

Figure 9. Controller Address



- 5 Verify that the Name, IP Address, and default location (room) display on the Touch Screen to ensure all of the correct connections.

Configure in Composer

Using Composer Pro, add the driver for the 7" Portable Touch Screen with Camera to your project.

See *Composer Pro Getting Started* on the Control4 Dealer website for details.

- 1 Start Composer and connect to a Director.
- 2 Add the Touch Screen object to the project:
 - a In the System Design View (default view) project tree (left pane), highlight the **room** where the Touch Screen resides.

- b** Under My Drivers, double-click **Portable 7" Touch Screen V2**.

3 Identify the device:

- a** Click the **Connections > Network** tab.
- b** In the IP Network Connections list (center pane), highlight **Portable 7" Touch Screen V2**, and then click **Identify**.
- c** When prompted, go to the Touch Screen and press the bottom button on the right side, as indicated on the Identify screen in Composer, to identify the device to the network.
- d** When the address displays in Composer, click **Close**.

Power Off

To power off the Touch Screen, press and hold the **Power** button for at least five (5) seconds, and then wait a few more seconds for the device to turn off.

Battery Instructions

Battery Charging

- For safety reasons, the battery is shipped only partially charged. When you are ready to use the Touch Screen, fully charge the battery in its the dock for at least four (4) hours.
- If you remove the Touch Screen from the dock for long periods of time, the Touch Screen turns off. In this case, insert the Touch Screen into the dock again to recharge the Touch Screen. A Red or Orange LED indicates that it's charging. See "LED Indicators" for more details about the LEDs.

Power Management Best Practices

Read the following guidelines for Touch Screen use in and out of the dock or when Intercom is used.

- Ask your customer how they will be using this Touch Screen. Will they be using it as a portable or tabletop? If portable, will they be moving it about the house most of the time? Will they be using Intercom with this device? These are a few things to consider during installation.
- The Power Management option (**More > Settings > Power Management**) on the Navigator settings does not apply when this Touch Screen is *in* its

dock.

- When the Touch Screen is *out* of its dock, you can use the Power Management settings.
- If you set the Touch Screen to a Suspend option, while the Touch Screen is in this mode and someone tries to contact this screen via Intercom, they won't be able to. In this case, turn Suspend off (set it to **Never**).
- The default settings are **Never** for 'Turn Backlight Off' and **After 3 mins** for 'Suspend.' Typically, the battery will last for about 13 hours with these settings.

Here are some other examples and how much battery power is consumed in these settings:

- If 'Turn Backlight Off' is set to **3 mins** and 'Suspend' is set to **Never**, the battery will last half as long as the default settings due to increased battery use.
- If 'Turn Backlight Off' is off and 'Suspend' is off, the battery will last about a quarter as long as the default settings due to increased battery use.

For more information about Power Management and Intercom use, see the *Control4 System User Guide* on the Control4 website.

Cleaning the Touch Screen and Dock

- 1** Unplug the power jack from the dock.
- 2** Use a soft, damp cloth to wipe off the surface.

Troubleshooting

If you experience operational problems with the Touch Screen, read the following sections for system troubleshooting. If problems persist, please contact your Control4 Dealer or your Control4 representative.

Battery Operation Problems

If battery is low...

- Recharge the battery as soon as possible.
- Dock the Touch Screen (if using as a portable), and continue to use the Touch Screen in its dock until fully charged.

If the Touch Screen turns off automatically...

- Check whether the battery power is low or completely drained.

- Check whether the system is in 'Suspend' mode (see "Touch Screen Modes").
- Tap the screen to check whether the display will activate.
- Plug in the DC power adapter or PoE cable to charge the battery.

If the Touch Screen doesn't turn on when it's not connected to the dock...

- The battery power may be too low to run the Touch Screen. Try connecting it to the dock to recharge it.

Display Problems

If the screen appears blank...

- Press the **any** button or tap the Touch Screen to wake it up.

System Operation Problems

If the Touch Screen is not responding...

- Always try to power the Touch Screen off before resetting the Touch Screen. Reset the device by pressing the **Reset/Restore** pinhole on the top of the screen. You may need to use an unbent paperclip to press the button.



CAUTION! The microphone holes look similar to the Reset/Restore pinhole. Inserting a paperclip into these pinholes will permanently damage the microphones. See Figure 2.

- Unplug the dock and plug it back in.
- If pressing the **Reset/Restore** pinhole button does not solve the problem, as a last resort, perform a factory restore. Press and hold the Reset/Restore pinhole button (see Figure 2 for the location) until the Power LED begins to blink rapidly. This will reset all configurations. The factory restore process may take 3-5 minutes to complete.

If the Touch Screen is damaged...

- Contact the Control4 Dealer or Reseller from whom you purchased the Touch Screen.

If you have network connection problems...

- View the system's wireless status by checking the WiFi indicator on the Touch Screen's Navigator.

- Make sure you've provided the required network configuration information described in "Configure the Network Settings."
- Ensure that the same key is being used on the Touch Screen and at the WAP.
- Make sure the WAP is connected to the proper network jack while it is functioning in the network infrastructure mode.

Warnings



WARNING! To avoid bodily harm, understand and follow these safety precautions before operating this Touch Screen:

- Using worn-out or damaged power cords may result in electric shock or fire.
- Always contact an authorized Control4 service provider for assistance if any repair or adjustment is required.

Avertissement! Pour éviter des dommages physiques, comprenez et suivez ces mesures de sécurité avant d'actionner l'écran tactile Control4® sans fil:

- Utilisant usé ou endommagé les cordons de secteur peuvent avoir comme conséquence la décharge électrique ou le feu.
- Entrez en contact avec toujours un fournisseur des services Control4® autorisé pour l'aide si n'importe quelle réparation ou ajustement est exigée.

Warnung! Um Körperverletzung zu vermeiden, verstehen Sie und folgen Sie diese Sicherheitsanweisungen bevor Sie den drahtlosen Control4® Touch Screen betreiben:

- Unter Verwendung abgedroschenen oder beschädigt kann Netzanschlusskabel Elektroschock oder Feuer ergeben.
- Treten Sie immer mit einem autorisierten Control4® Dienstleister für Unterstützung in Verbindung, wenn irgendeine Reparatur oder Justage angefordert wird.



CAUTION! To avoid data loss or equipment damage, understand and follow these safety precautions before operating this Touch

Screen:

- Do not use or place the Touch Screen near sources of heat or expose it to direct sunlight for an extended period of time. Store it in a cool and dry place.

- Do not use pens or sharp objects to write on the screen.

Attention! Pour éviter la perte de données ou les dommages aux équipements, comprenez et suivez ces mesures de sécurité avant d'actionner le Control4® 7" ; Écran tactile tenu dans la main :

- Ne laissez pas le paquet de batterie entrer en contact avec d'autres objets en métal.
- N'utilisez pas ou ne placez pas l'écran tactile près des sources de chaleur ou ne l'exposez pas à la lumière du soleil directe pendant une période prolongée.
- Stockez-le dans un endroit frais et sec. N'employez pas les stylos ou les objets pointus pour écrire sur l'écran.

Vorsicht! Um Datenverlust oder Ausrüstungsschaden zu vermeiden, verstehen Sie und vor dem Betrieb des Control4® 7" folgen Sie diese Sicherheitsanweisungen; Touch Screen:

- Lassen Sie den Batteriesatz mit anderen Metallgegenständen nicht in Verbindung treten.
- Benutzen Sie oder setzen Sie den Touch Screen nicht nahe Quellen der Hitze oder setzen Sie ihn direktem Tageslicht während eines ausgedehnten Zeitabschnitts aus. Speichern Sie es in einem kühlen und trockenen Platz.
- Benutzen Sie nicht Federn oder scharfe Gegenstände, um auf den Schirm zu schreiben.



IMPORTANT! Do not use pens or sharp objects to navigate or make selections on the Touch Screen. To select an item or scroll through a list, use your fingertip.

Important! N'employez pas les stylos ou les objets pointus pour diriger ou pour faire des choix sur l'écran. Pour choisir un article ou un rouleau par une liste, employez votre bout du doigt.

Wichtig! Benutzen Sie nicht Federn oder scharfe Gegenstände, um oder Vorwählen auf dem Schirm zu bilden zu steuern. Um ein Einzelteil oder eine Rolle durch eine Liste vorzuwählen, benutzen Sie Ihre Fingerspitze.



IMPORTANT! Improper use or installation can cause LOSS/DAMAGE OF PROPERTY.

Important! L'utilisation ou l'installation inexacte peut causer LOSS/DAMAGE DE PROPRIÉTÉ.

Wichtig! Unsachgemäßer Gebrauch oder Installation können LOSS/DAMAGE DER EIGENSCHAFT verursachen.



IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is NOT liable for any damage incurred with the misuse of this product. See "Warranty."

Important! Utilisant ce produit en quelque sorte autre que décrit dans ce document vide votre garantie. De plus, Control4 n'est pas responsable d'aucun dommage encouru avec l'abus de ce produit. Voyez que «Warranty.»

Wichtig! Das Verwenden dieses Produktes in gewissem Sinne anders als umrissen in diesem Dokument hebt Ihre Garantie auf. Weiter ist Control4 NICHT für irgendeine Beschädigung verantwortlich, die mit der Fehlanwendung dieses Produktes genommen wird. Sehen Sie, daß "Warranty."



WARNING! To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

Avertissement! Pour réduire le risque du feu ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.

Warnung! Um die Gefahr des Feuers oder des elektrischen Schlages zu verringern, setzen Sie diesen Apparat nicht Regen oder Feuchtigkeit aus.

Regulatory/Safety Information

To review regulatory information for your particular Control4 products, see the information located on the Control4 website at: <http://www.control4.com/regulatory/>.

Patent Information

Protected under U.S. Patents 7,335,845, 7,106,261 and licensed under U.S. Patents 5,905,442 and 5,982,103

Warranty

Limited 2-year Warranty. Refer to <http://www.control4.com/warranty>.

About this Document

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